

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

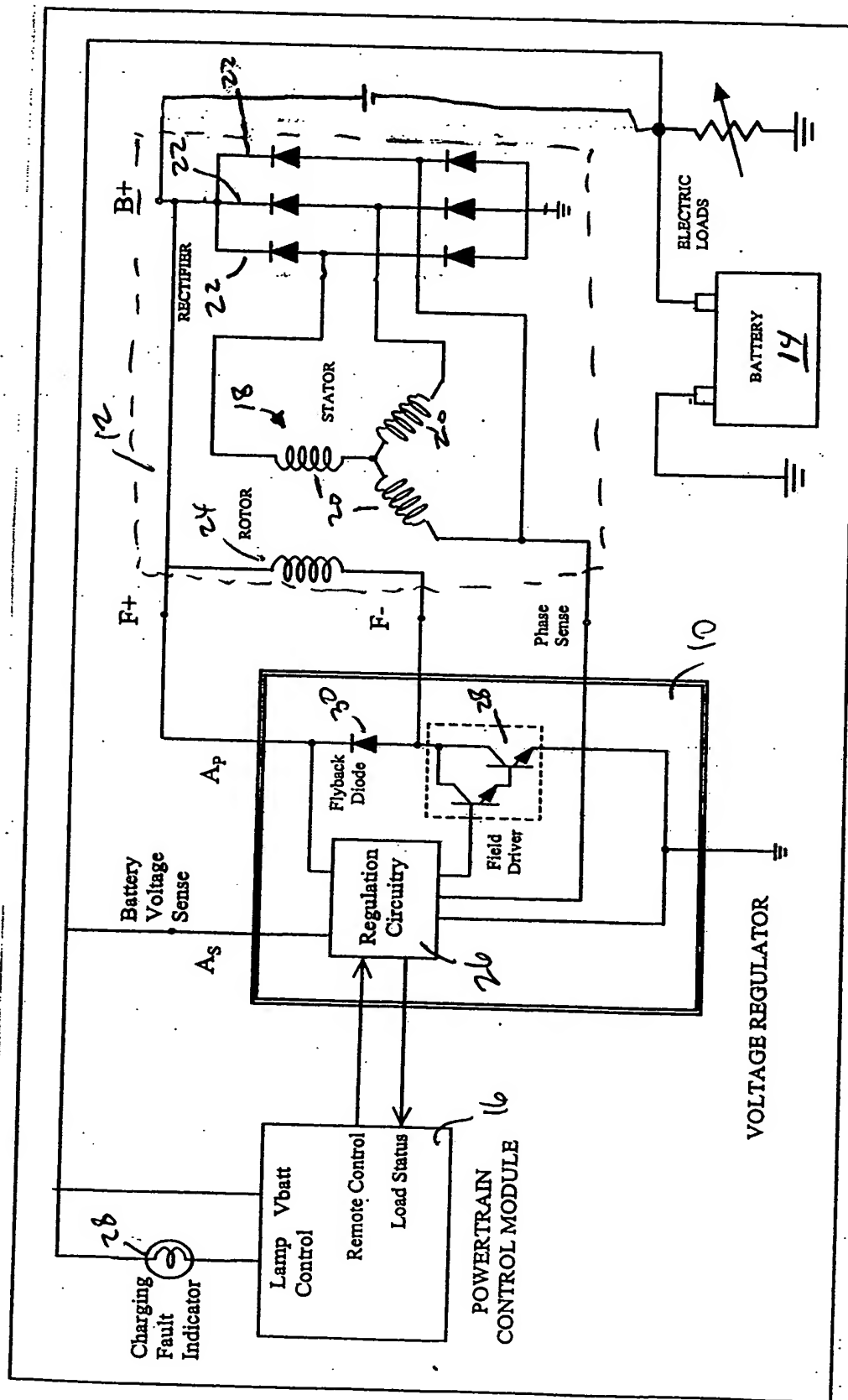


Figure 1
(prior Art)

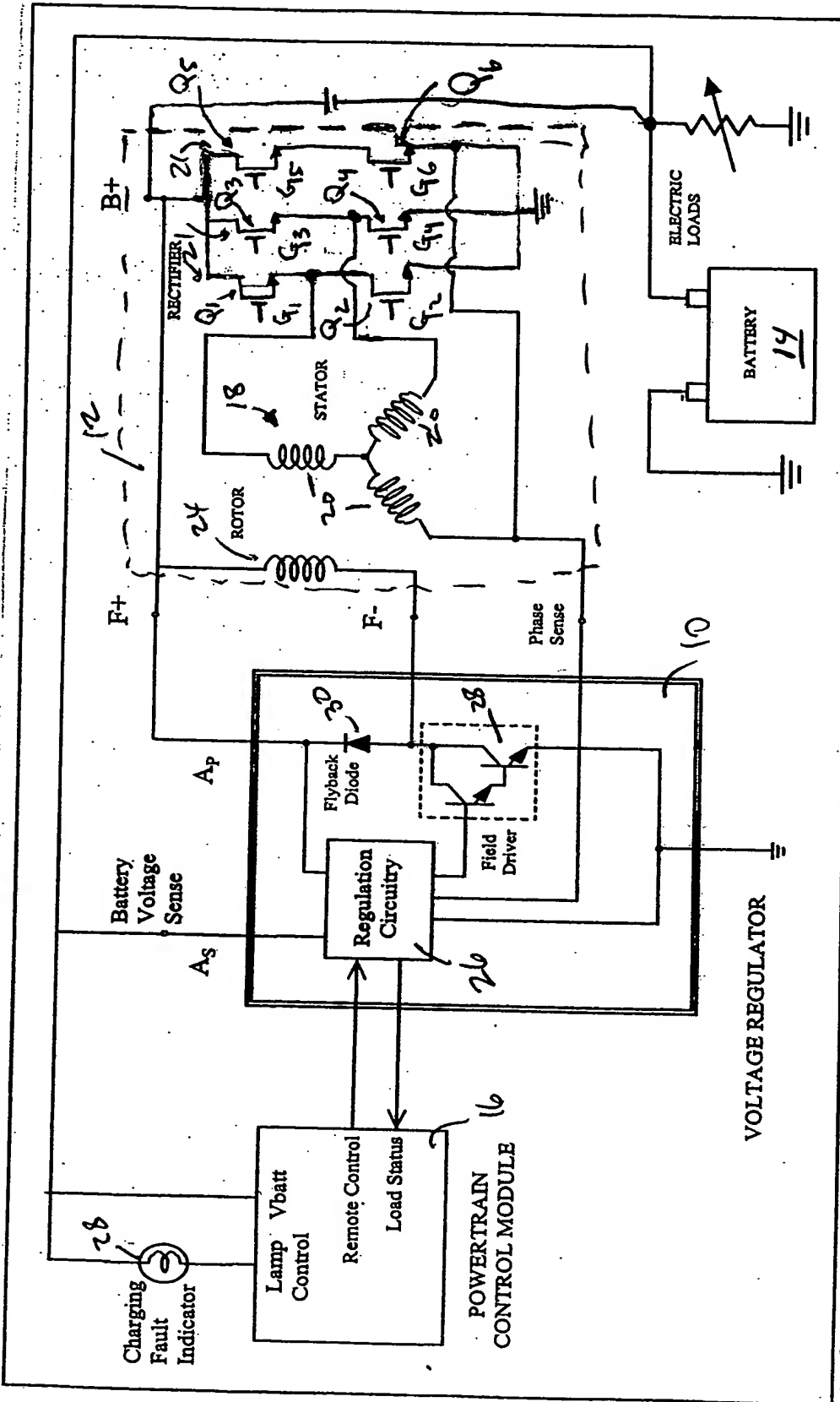


Figure 2

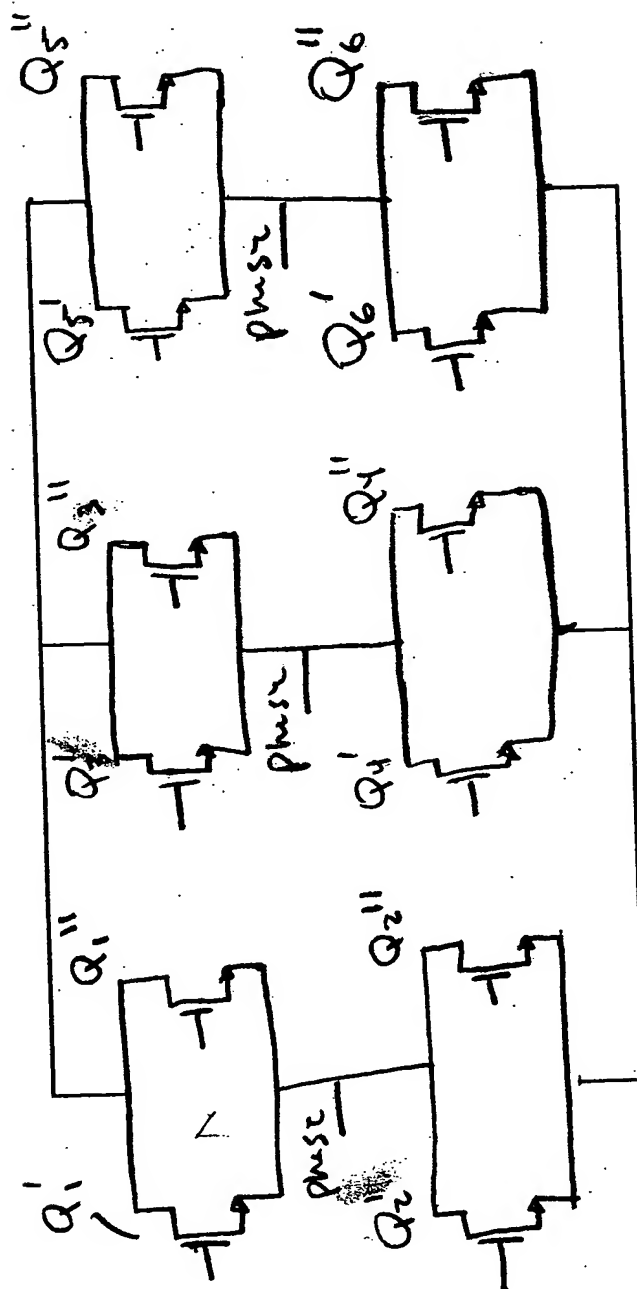


Figure 3

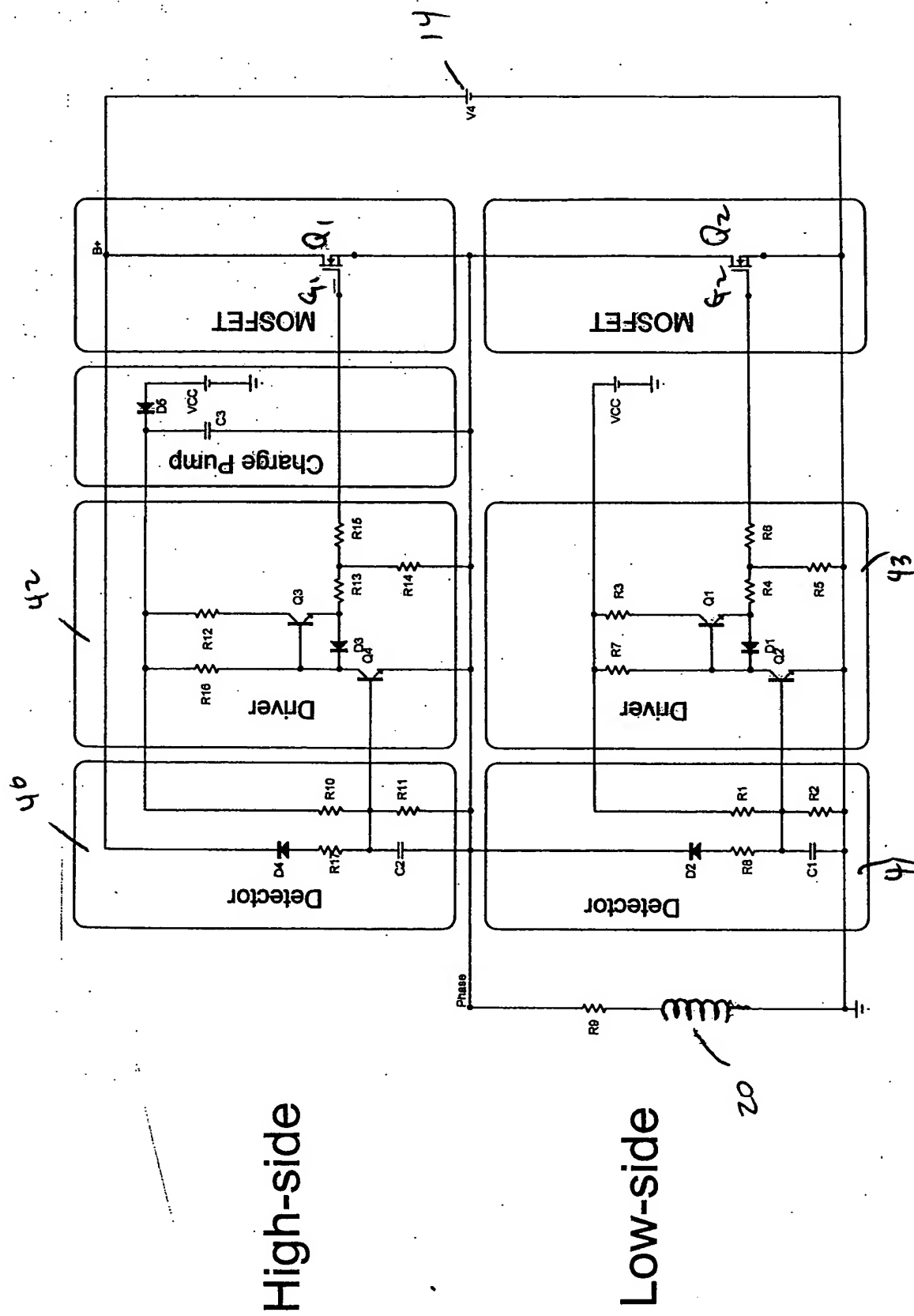


Figure 4

Gate voltage, Phase voltage, low current

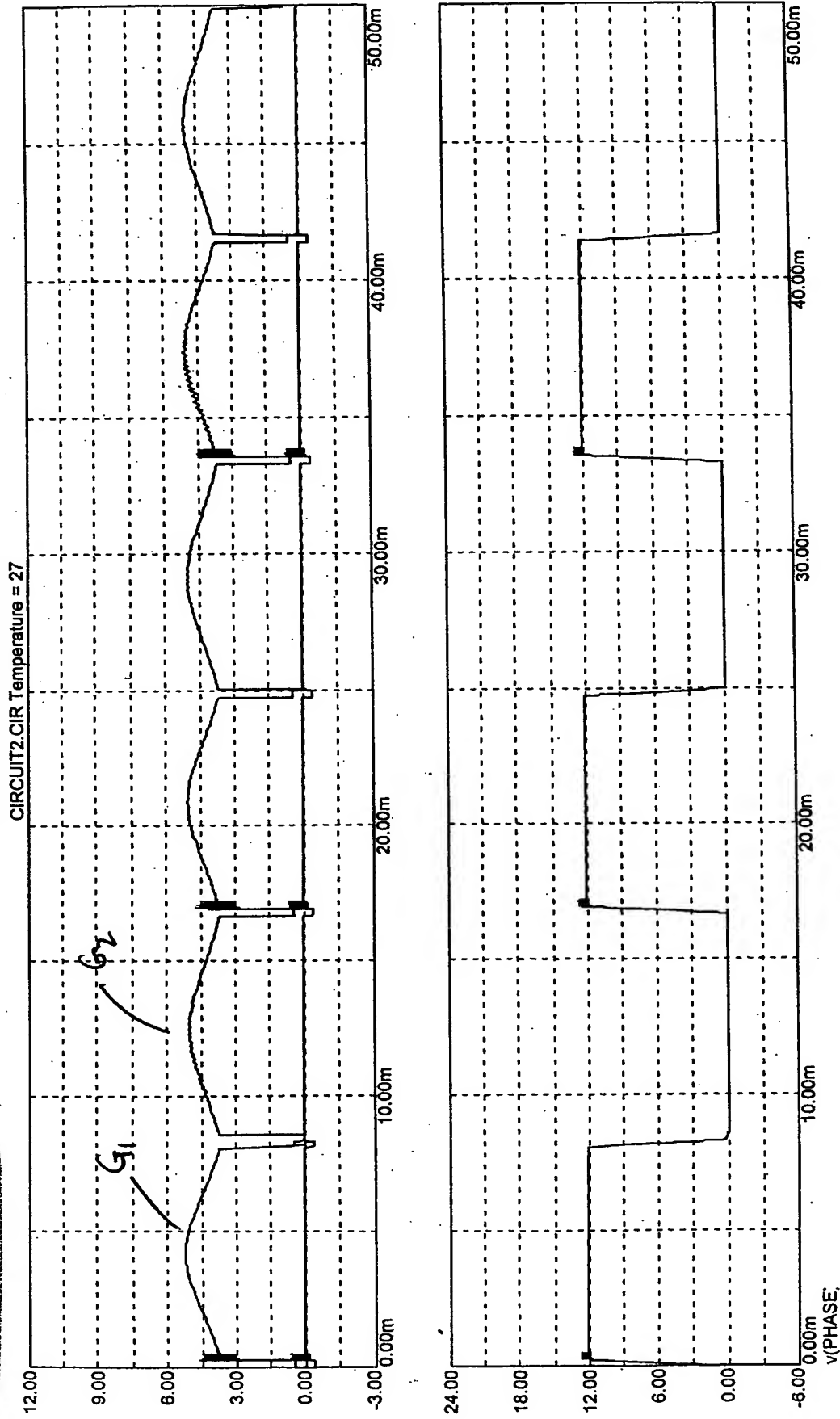


Figure 5-A

Gate voltage, Phase voltage, medium current

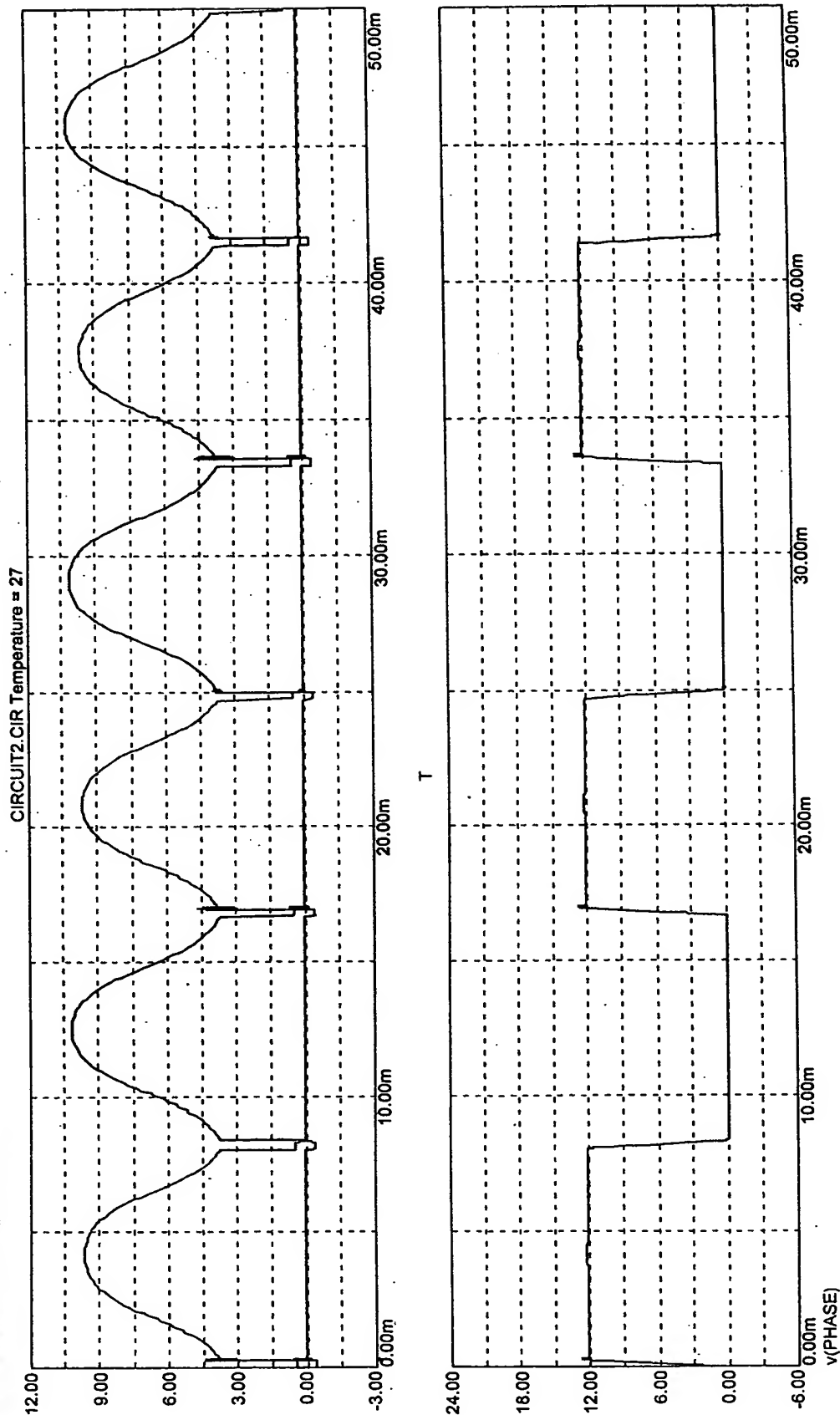


Figure 5B

Gate voltage, Phase voltage

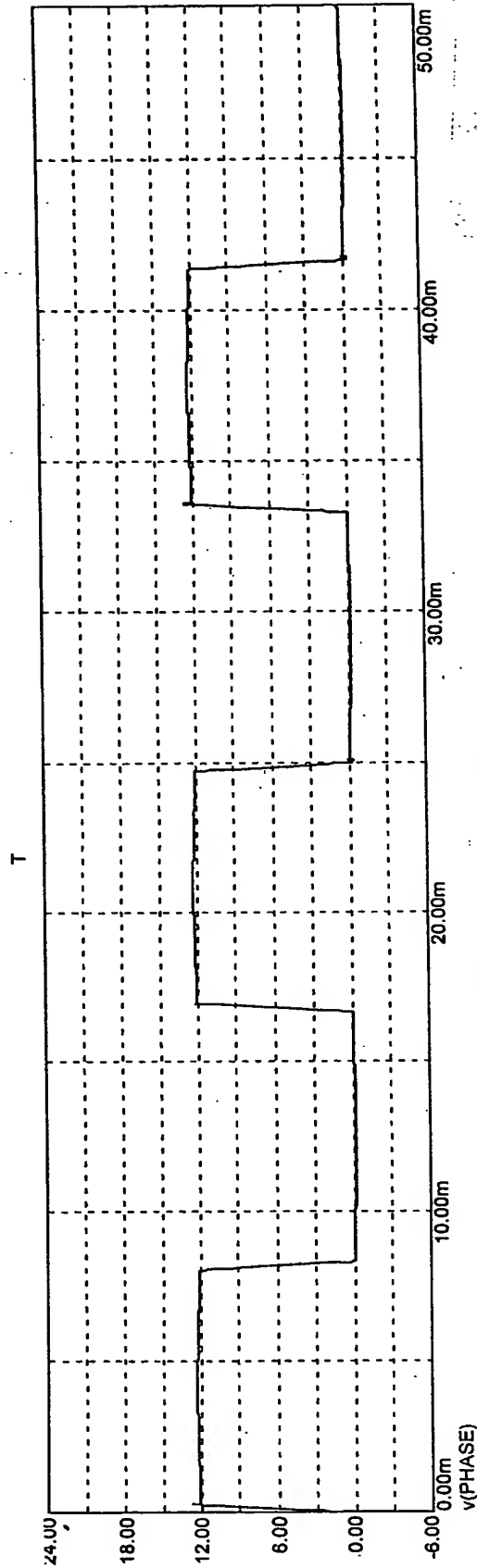
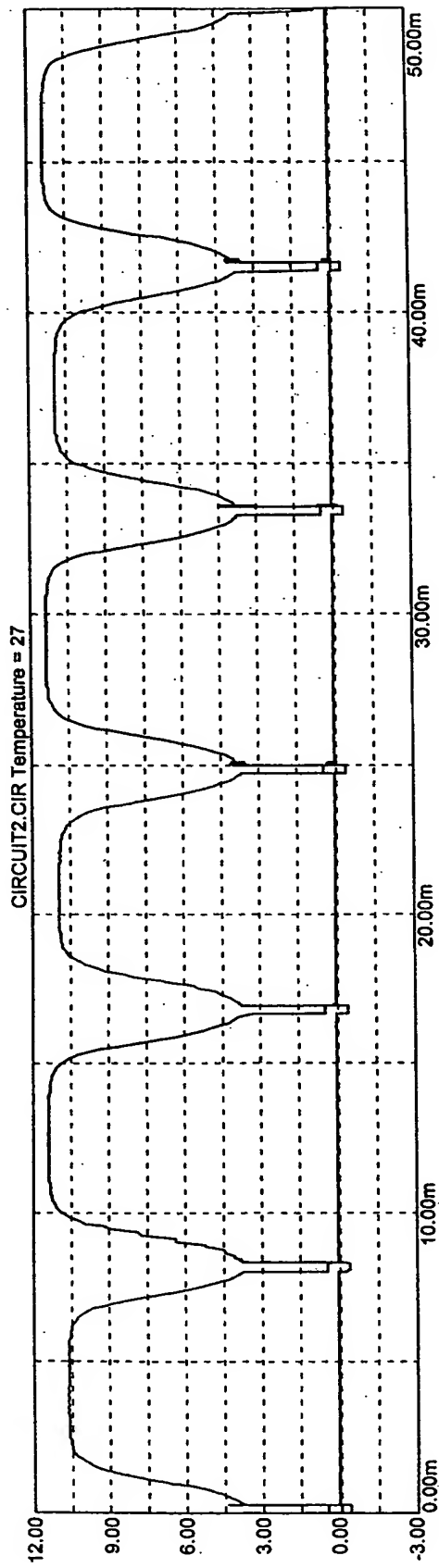
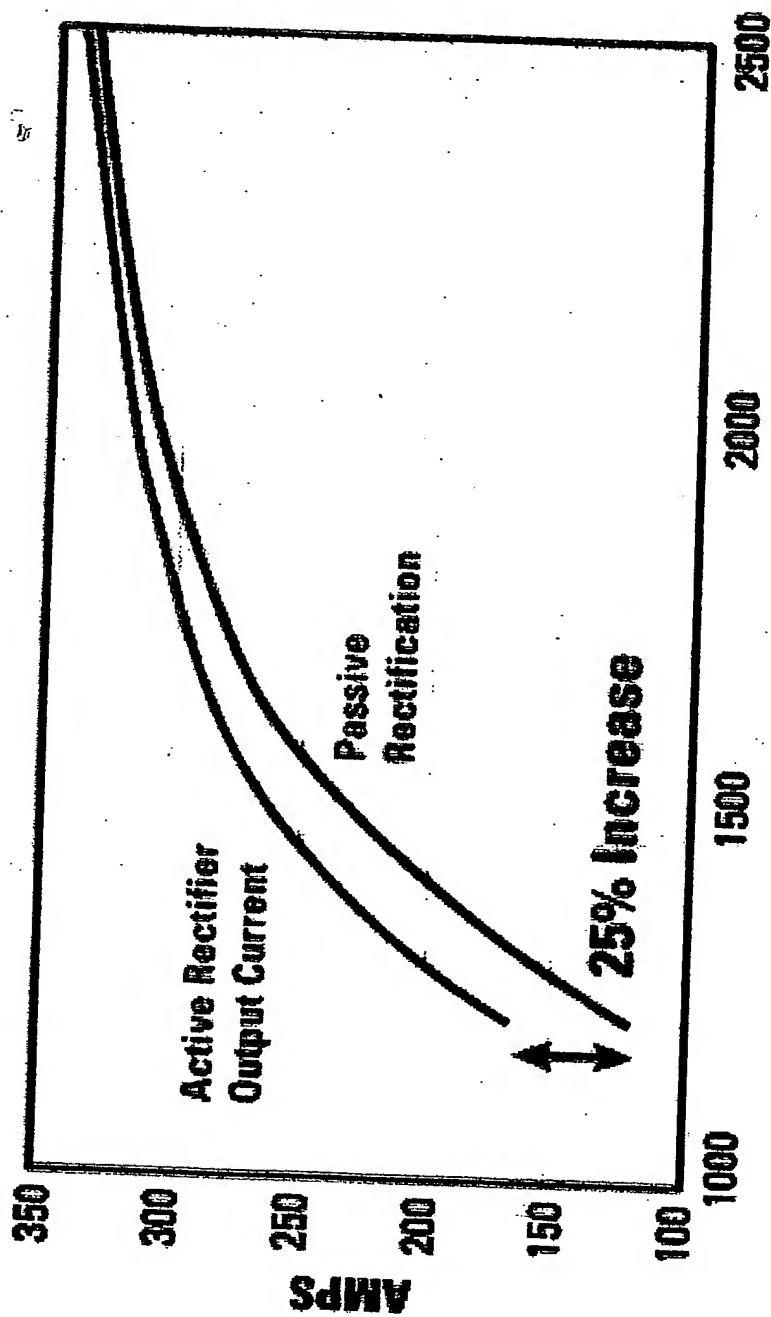


Figure 5C



RPM

Figure 6

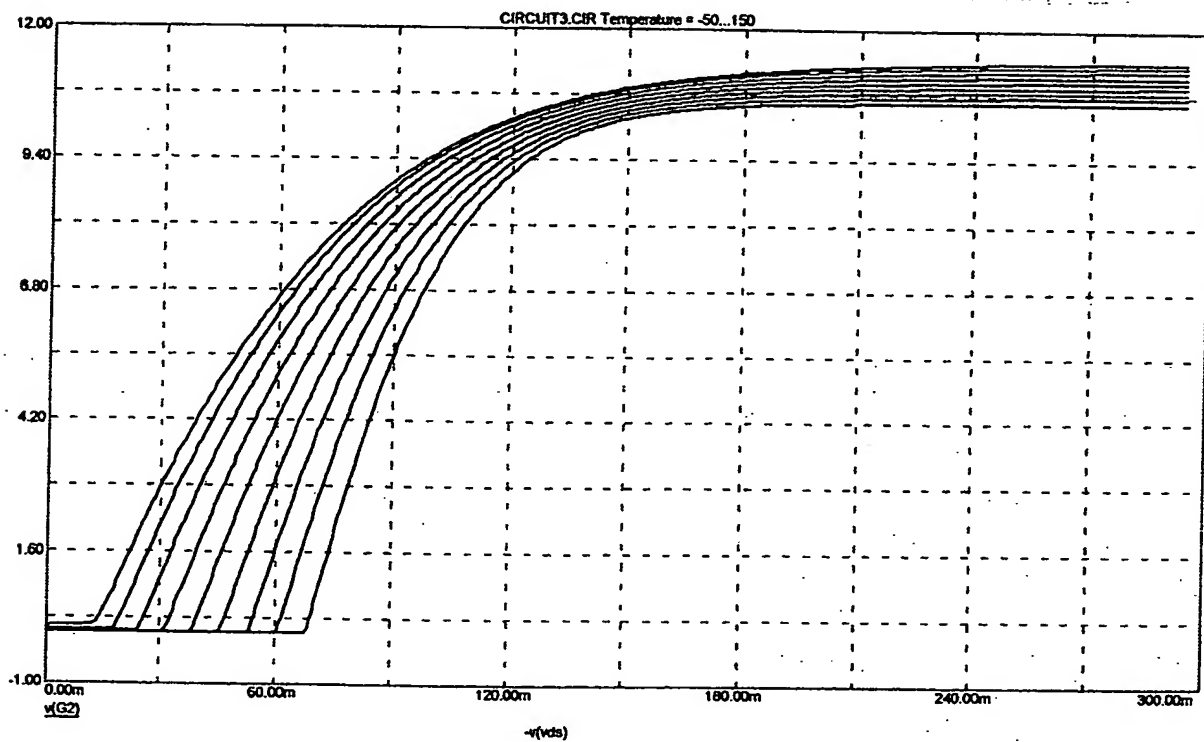


Figure 7

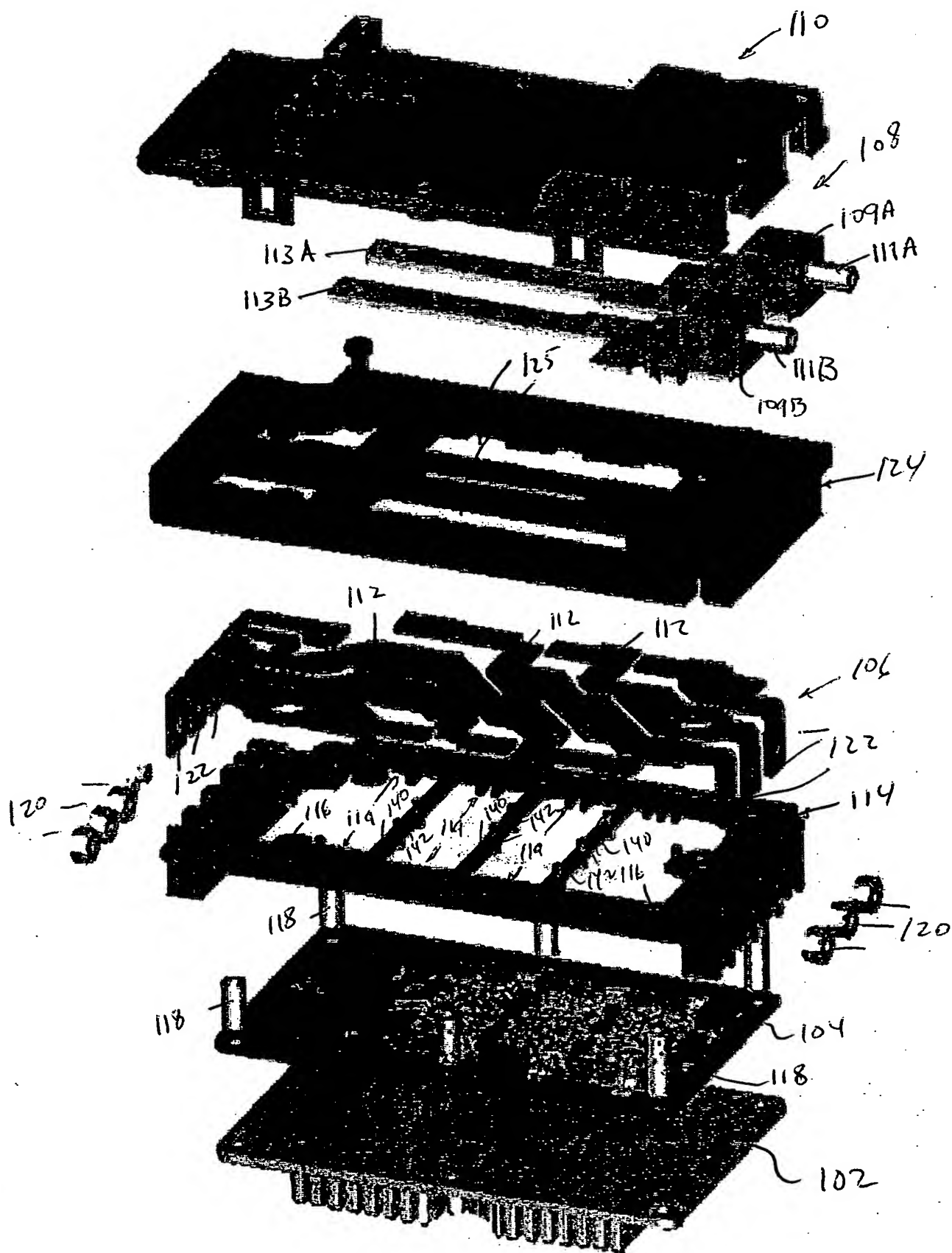


Figure 8

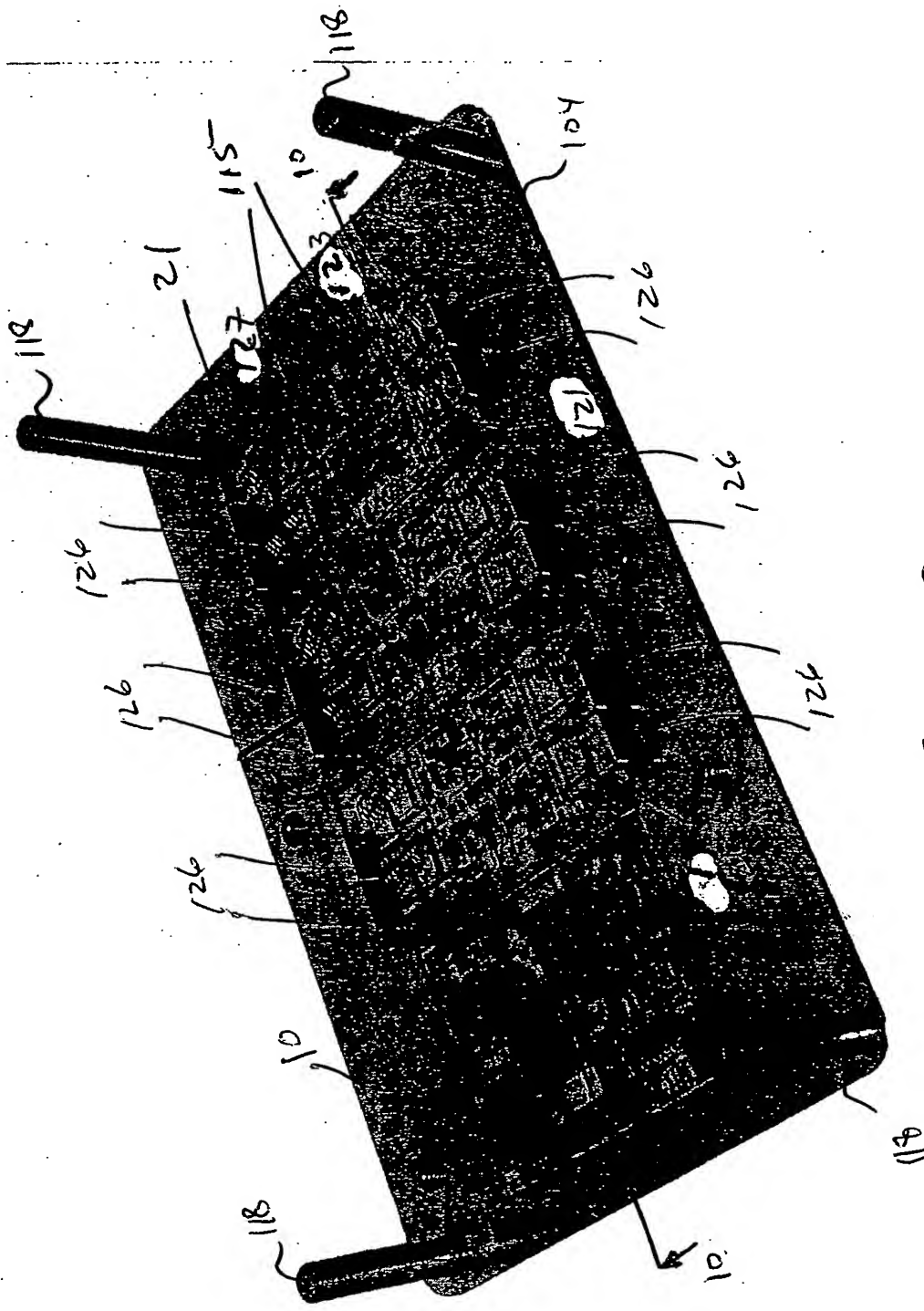


Figure 9

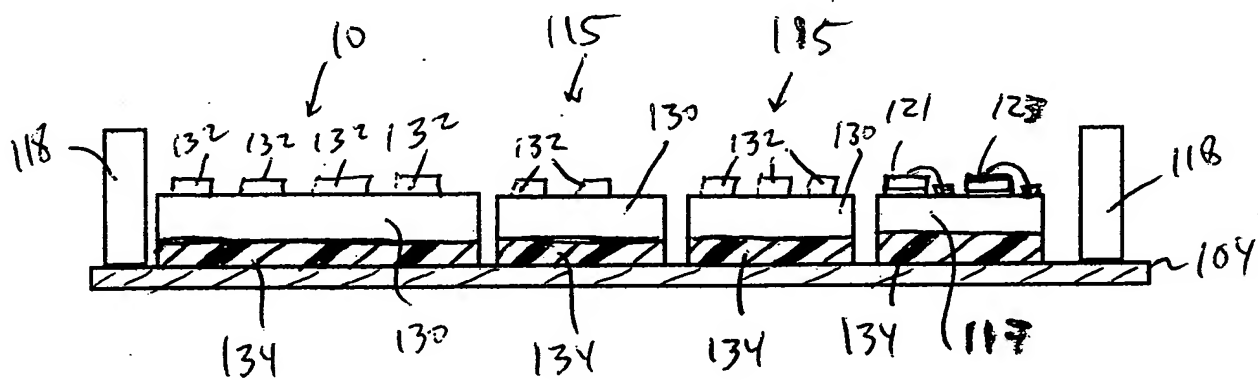


Figure 10

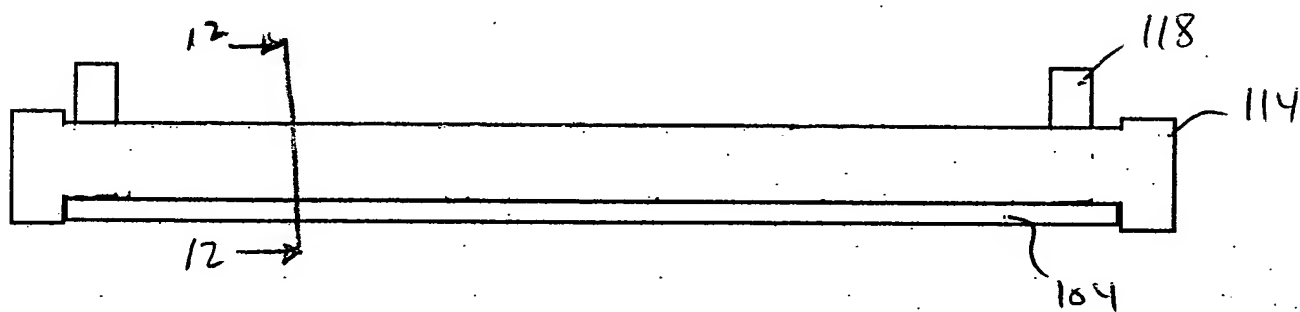


Figure 11

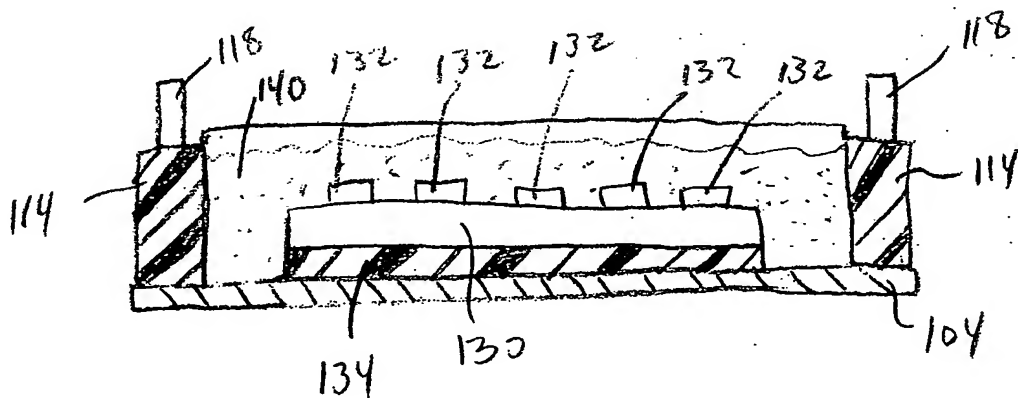


Figure 12

Figure 13A

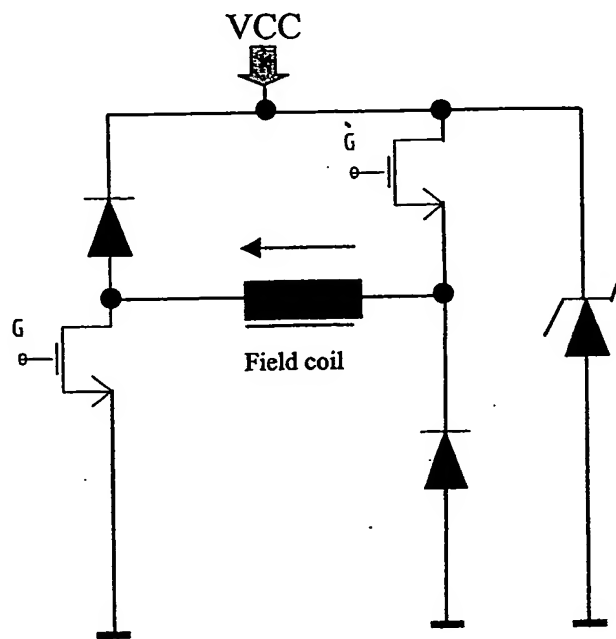


Figure 13B

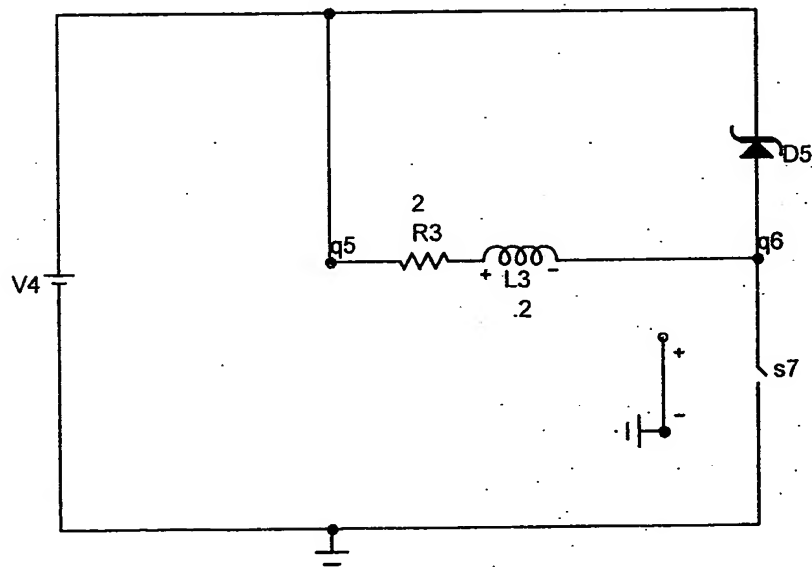


Figure 13C

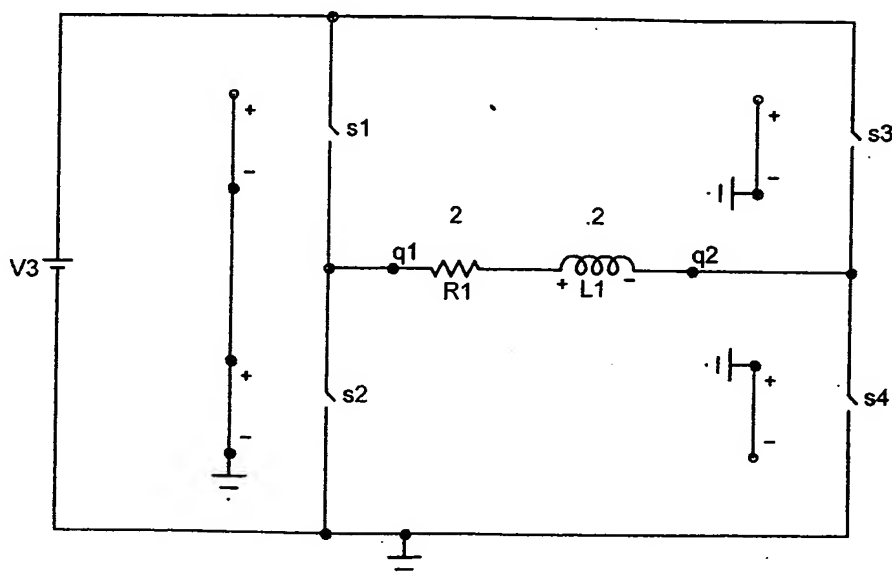


Figure 13D

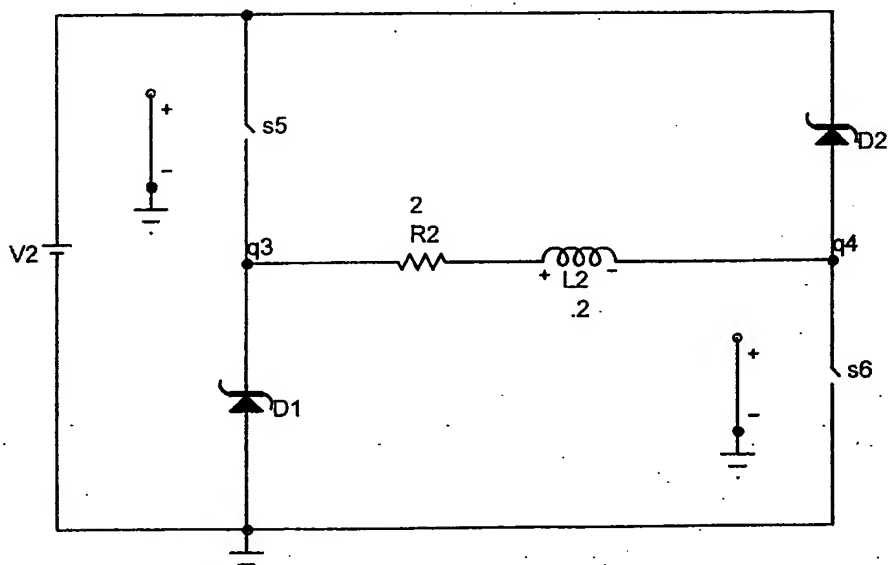
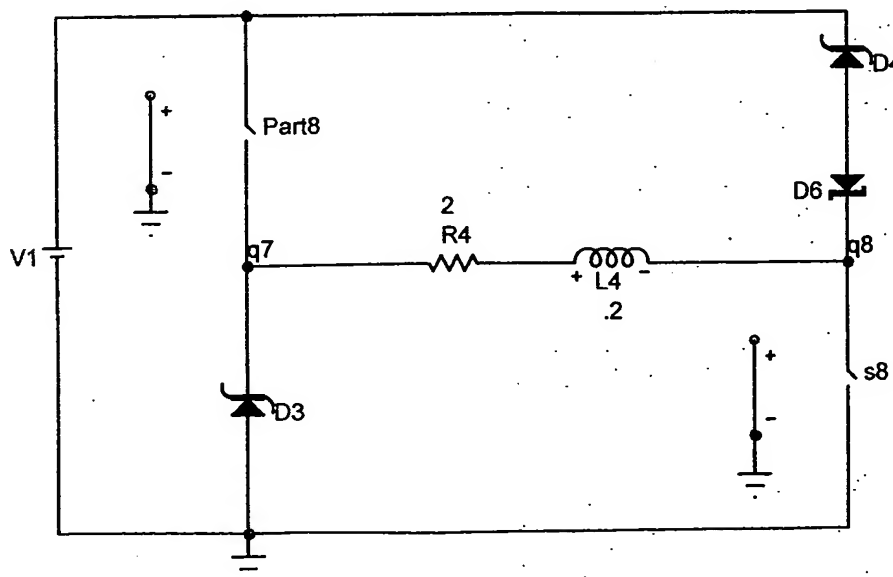
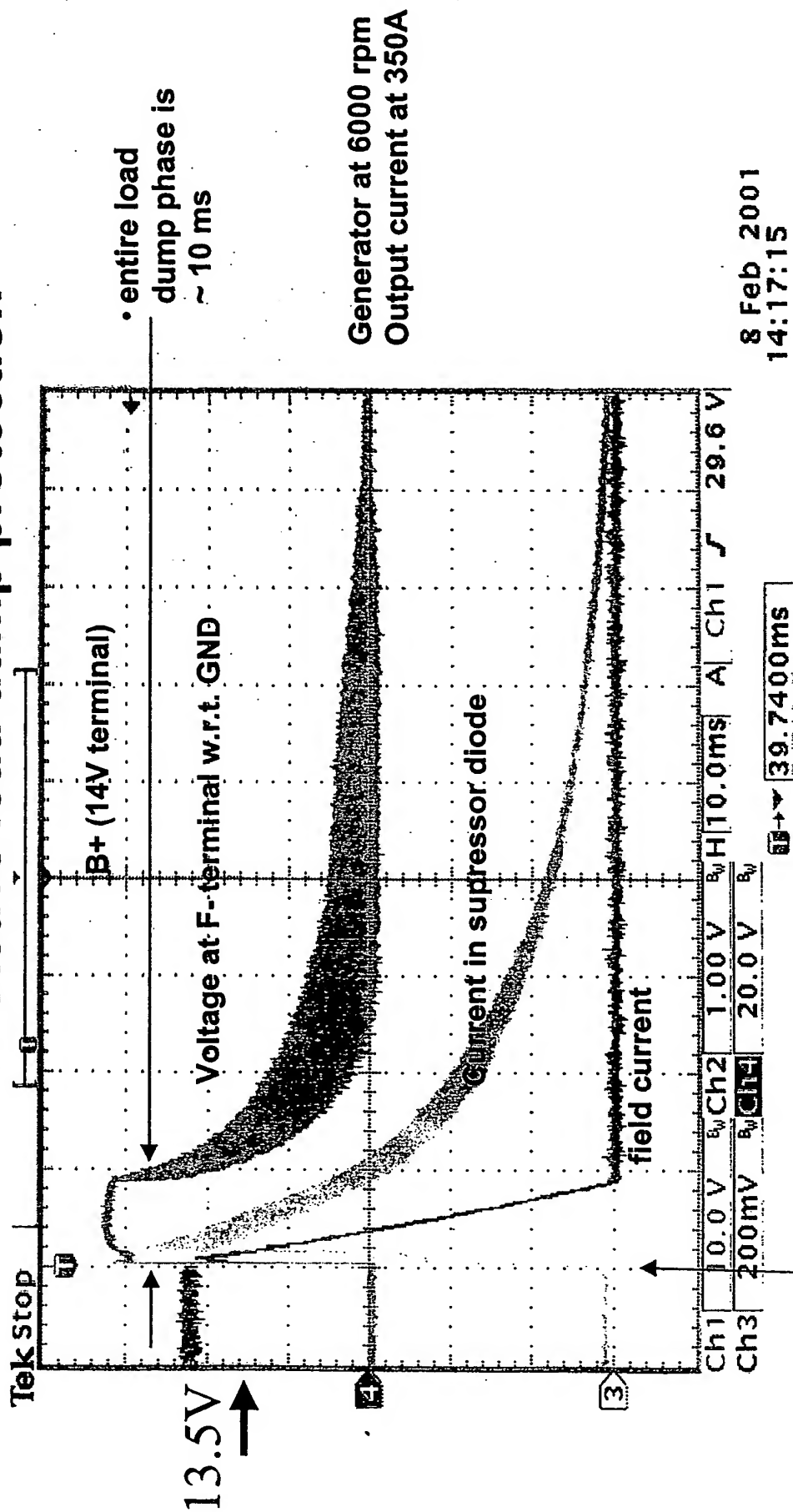


Figure 13E



Active load dump protection



Point of load dump

14